GOVERNMENT OF INDIA
DRINKING WATER AND SANITATION
LOK SABHA

UNSTARRED QUESTION NO:3129
ANSWERED ON:04.08.2016
Use of Traditional Energy for Treatment of Water
Kumar Dr. Virendra

Will the Minister of DRINKING WATER AND SANITATION be pleased to state:

(a) the technique being used for the treatment of drinking water in the country at present;
(b) whether the Government proposes to use traditional energy for the water treatment; and
(c) if so, the details thereof and if not, the reasons therefor?

Answer

MINISTER OF STATE
IN THE MINISTRY OF DRINKING WATER AND SANITATION
(SHRI RAMESH CHANDAPPA JIGAJINAGI)

(a) Either ground water or surface water sources are being used for providing safe drinking water, after requisite treatment. In general, the conventional water treatment plants are designed to treat turbidity and bacteriological contamination. Specific technological intervention is required if any other impurity/contamination in found in raw water. The technique used for conventional water treatment in the country include aeration, sedimentation, rapid/flash mixing, clariflocculation, rapid sand filtration and disinfection.

(b) & (c) Conventional energy resources like coal, natural gas and petroleum are not used directly for water treatment in the country. Large water supply schemes are designed with a dedicated 3-phase electrical power supply. In certain remote places where only hand pumps are available, use of solar power panels have been made to lift water from the hand pump into an overhead tank for distribution through public stand post or pipelines.

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